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ABSTRACT OF THE INVENTION

	An ultrasound imaging device having a cableless coupling for coupling a two-
dimen	nsional array of ultrasound transducers to a signal generating and receiving unit such as a
mothe	erboard. The coupling includes an acoustically attenuating and electrically conductive
structi	ture, which can include posts that are electrically conductive or electrically insulative
having	g a conductor embedded or mounted on the outer surface. There can also be a high
densit	ty connector allowing coupling and de-coupling the two dimensional array to and from
the me	otherboard.